

EXPRESS MAIL NO.: EM325 964 940US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Bolognesi et al.

Application No.: 08/487,355 Group Art Unit: 1813

Filed: June 7, 1995 Examiner: J. Stucker

For: METHODS FOR INHIBITION OF Attorney Docket No.: 7872-027
MEMBRANE FUSION-
ASSOCIATED EVENTS,
INCLUDING HEPATITIS B
VIRUS TRANSMISSION

TRANSMITTAL OF SEQUENCE LISTING
IN PAPER AND COMPUTER READABLE FORM
PURSUANT TO 37 C.F.R. §1.821(c) AND (e)

RECEIVED
SEP 12 1997

Assistant Commissioner for Patents
Washington, D.C. 20231

MATRIX CUSTOMER
SERVICE CENTER

Attention: Application Processing Division,
Special Processing and Correspondence Branch

Sir:

Pursuant to requirements for Patent Applications
Containing Nucleotide Sequence and/or Amino Acid Sequence
Disclosure in connection with the above-identified
application, Applicants submit herewith a) Sequence Listings
in paper and computer readable form pursuant to 37 C.F.R.
§1.821(c) and (e), respectively; and b) a Supplemental
Amendment under 37 C.F.R. §1.115.

I hereby state that the content of the paper and computer
readable copies of the Sequence Listing, submitted in
accordance with 37 C.F.R. §1.821(c) and (e), respectively, are
the same.

I hereby state that the submission, filed in accordance with 37 C.F.R. §1.821(g), herein does not include new matter.

Respectfully submitted,

By Carmella L. Stephens

Reg. No. 41,328

Date September 11, 1997

Laura A. Coruzzi 30,742
Laura A. Coruzzi (Reg. No.)

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(212) 790-9090

Enclosure

RAW SEQUENCE LISTING
PATENT APPLICATION: US/08/487,355A

DATE: 09/12/97
TIME: 15:02:47

INPUT SET: S20298.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

ENTERED

SEQUENCE LISTING

- 1
- 2
- 3 (1) General Information:
- 4
- 5 (i) APPLICANT: Bolognesi, Dani P.
- 6 Matthews, Thomas J.
- 7 Wild, Carl T.
- 8 Barney, Shawn O.
- 9 Lambert, Dennis M.
- 10 Petteway, Stephen R.
- 11 Langlois, Alphonse J.
- 12
- 13 (ii) TITLE OF INVENTION: METHODS FOR INHIBITION OF MEMBRANE
- 14 FUSION-ASSOCIATED EVENTS, INCLUDING HEPATITIS
- 15 B VIRUS TRANSMISSION
- 16
- 17 (iii) NUMBER OF SEQUENCES: 273
- 18
- 19 (iv) CORRESPONDENCE ADDRESS:
- 20 (A) ADDRESSEE: Pennie & Edmonds
- 21 (B) STREET: 1155 Avenue of the Americas
- 22 (C) CITY: New York
- 23 (D) STATE: New York
- 24 (E) COUNTRY: USA
- 25 (F) ZIP: 10036-2711
- 26
- 27 (v) COMPUTER READABLE FORM:
- 28 (A) MEDIUM TYPE: Floppy disk
- 29 (B) COMPUTER: IBM PC compatible
- 30 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
- 31 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
- 32
- 33 (vi) CURRENT APPLICATION DATA:
- 34 (A) APPLICATION NUMBER: US 08/487,355
- 35 (B) FILING DATE: 07-JUN-1995
- 36 (C) CLASSIFICATION:
- 37
- 38 (viii) ATTORNEY/AGENT INFORMATION:
- 39 (A) NAME: Coruzzi, Laura A.
- 40 (B) REGISTRATION NUMBER: 30,742
- 41 (C) REFERENCE/DOCKET NUMBER: 7872-027
- 42
- 43 (ix) TELECOMMUNICATION INFORMATION:
- 44 (A) TELEPHONE: (212) 790-9090
- 45 (B) TELEFAX: (212) 869-9741/8864
- 46 (C) TELEX: 66141 PENNIE

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/487,355ADATE: 09/12/97
TIME: 15:02:49

INPUT SET: S20298.raw

47

48

49 (2) INFORMATION FOR SEQ ID NO:1:

50

51 (i) SEQUENCE CHARACTERISTICS:

52 (A) LENGTH: 36 amino acids

53 (B) TYPE: amino acid

54 (C) STRANDEDNESS:

55 (D) TOPOLOGY: unknown

56

57 (ii) MOLECULE TYPE: peptide

58

59

60

61

62 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

63

64 Tyr Thr Ser Leu Ile His Ser Leu Ile Glu Glu Ser Gln Asn Gln Gln

65 1 5 10 15

66

67 Glu Lys Asn Glu Gln Glu Leu Leu Glu Leu Asp Lys Trp Ala Ser Leu

68 20 25 30

69

70 Trp Asn Trp Phe

71 35

72

73 (2) INFORMATION FOR SEQ ID NO:2:

74

75 (i) SEQUENCE CHARACTERISTICS:

76 (A) LENGTH: 36 amino acids

77 (B) TYPE: amino acid

78 (C) STRANDEDNESS:

79 (D) TOPOLOGY: unknown

80

81 (ii) MOLECULE TYPE: peptide

82

83

84

85

86 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

87

88 Ser Ser Glu Ser Phe Thr Leu Leu Glu Gln Trp Asn Asn Trp Lys Leu

89 1 5 10 15

90

91 Gln Leu Ala Glu Gln Trp Leu Glu Gln Ile Asn Glu Lys His Tyr Leu

92 20 25 30

93

94 Glu Asp Ile Ser

95 35

96

97 (2) INFORMATION FOR SEQ ID NO:3:

98

99 (i) SEQUENCE CHARACTERISTICS:

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100 (A) LENGTH: 36 amino acids
101 (B) TYPE: amino acid
102 (C) STRANDEDNESS:
103 (D) TOPOLOGY: unknown
104
105 (ii) MOLECULE TYPE: peptide
106
107
108
109
110 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
111
112 Tyr Thr Asn Thr Ile Tyr Thr Leu Leu Glu Glu Ser Gln Asn Gln Gln
113 1 5 10 15
114
115 Glu Lys Asn Glu Gln Glu Leu Leu Glu Leu Asp Lys Trp Ala Ser Leu
116 20 25 30
117
118 Trp Asn Trp Phe
119 35
120
121 (2) INFORMATION FOR SEQ ID NO:4:
122
123 (i) SEQUENCE CHARACTERISTICS:
124 (A) LENGTH: 36 amino acids
125 (B) TYPE: amino acid
126 (C) STRANDEDNESS:
127 (D) TOPOLOGY: unknown
128
129 (ii) MOLECULE TYPE: peptide
130
131
132
133
134 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
135
136 Tyr Thr Gly Ile Ile Tyr Asn Leu Leu Glu Glu Ser Gln Asn Gln Gln
137 1 5 10 15
138
139 Glu Lys Asn Glu Gln Glu Leu Leu Glu Leu Asp Lys Trp Ala Asn Leu
140 20 25 30
141
142 Trp Asn Trp Phe
143 35
144
145 (2) INFORMATION FOR SEQ ID NO:5:
146
147 (i) SEQUENCE CHARACTERISTICS:
148 (A) LENGTH: 36 amino acids
149 (B) TYPE: amino acid
150 (C) STRANDEDNESS:
151 (D) TOPOLOGY: unknown
152

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153 (ii) MOLECULE TYPE: peptide

154

155

156

157

158 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

159

160 Tyr Thr Ser Leu Ile Tyr Ser Leu Leu Glu Lys Ser Gln Thr Gln Gln

161 1 5 10 15

162

163 Glu Lys Asn Glu Gln Glu Leu Leu Glu Leu Asp Lys Trp Ala Ser Leu

164 20 25 30

165

166 Trp Asn Trp Phe

167 35

168

169 (2) INFORMATION FOR SEQ ID NO:6:

170

171 (i) SEQUENCE CHARACTERISTICS:

172 (A) LENGTH: 36 amino acids

173 (B) TYPE: amino acid

174 (C) STRANDEDNESS:

175 (D) TOPOLOGY: unknown

176

177 (ii) MOLECULE TYPE: peptide

178

179

180

181

182 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

183

184 Leu Glu Ala Asn Ile Ser Lys Ser Leu Glu Gln Ala Gln Ile Gln Gln

185 1 5 10 15

186

187 Glu Lys Asn Met Tyr Glu Leu Gln Lys Leu Asn Ser Trp Asp Ile Phe

188 20 25 30

189

190 Gly Asn Trp Phe

191 35

192

193 (2) INFORMATION FOR SEQ ID NO:7:

194

195 (i) SEQUENCE CHARACTERISTICS:

196 (A) LENGTH: 36 amino acids

197 (B) TYPE: amino acid

198 (C) STRANDEDNESS:

199 (D) TOPOLOGY: unknown

200

201 (ii) MOLECULE TYPE: peptide

202

203

204

205

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/487,355ADATE: 09/12/97
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206 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
207
208 Leu Glu Ala Asn Ile Ser Gln Ser Leu Glu Gln Ala Gln Ile Gln Gln
209 1 5 10 15
210
211 Glu Lys Asn Met Tyr Glu Leu Gln Lys Leu Asn Ser Trp Asp Val Phe
212 20 25 30
213
214 Thr Asn Trp Leu
215 35
216

217 (2) INFORMATION FOR SEQ ID NO:8:

218
219 (i) SEQUENCE CHARACTERISTICS:
220 (A) LENGTH: 41 amino acids
221 (B) TYPE: amino acid
222 (C) STRANDEDNESS:
223 (D) TOPOLOGY: unknown
224

225 (ii) MOLECULE TYPE: peptide
226
227
228
229

230 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

231
232 Cys Gly Gly Asn Asn Leu Leu Arg Ala Ile Glu Ala Gln Gln His Leu
233 1 5 10 15
234
235 Leu Gln Leu Thr Val Trp Gly Ile Lys Gln Leu Gln Ala Arg Ile Leu
236 20 25 30
237
238 Ala Val Glu Arg Tyr Leu Lys Asp Gln
239 35 40
240

241 (2) INFORMATION FOR SEQ ID NO:9:

242
243 (i) SEQUENCE CHARACTERISTICS:
244 (A) LENGTH: 17 amino acids
245 (B) TYPE: amino acid
246 (C) STRANDEDNESS:
247 (D) TOPOLOGY: unknown
248

249 (ii) MOLECULE TYPE: peptide
250
251
252
253

254 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:

255
256 Leu Gln Ala Arg Ile Leu Ala Val Glu Arg Tyr Leu Lys Asp Gln Gln
257 1 5 10 15
258

PAGE: 1

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/08/487,355A

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Original Text